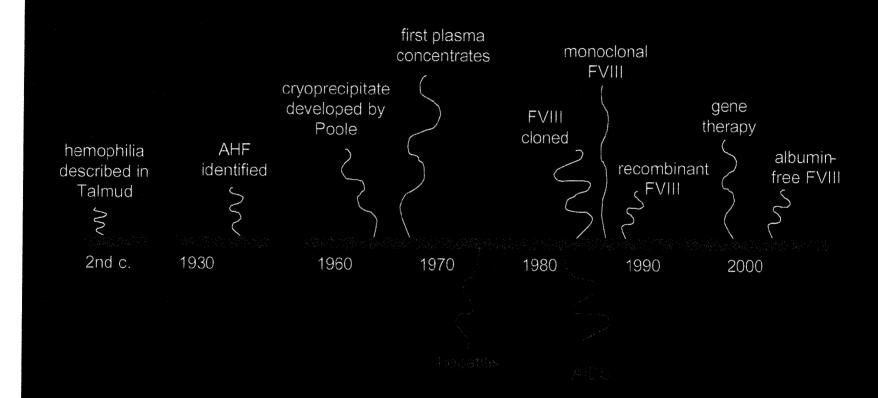
ISTH Rationale of Recommendations for Use of Previously Treated Patients in Clinical Trials

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Initial Trials of Litrapure Concentrates

It was hoped/expected that monoclonal antibody purified plasma and recombinant concentrates of FVIII and FIX would be free of blood borne infectious agents ...

in two phases: first in previously treated patients to test efficacy and second in patients who were uninfected to test for viral safety.

Prevalence of Inhibitors in Recombinant Trials - FUP Studies

PUPs	n	prevalence	high response
1013			
Kogenate	64	18 (28%)	10 (16%)
Recombinate	72	22 (30%)	7 (10%)
ReFacto	101	32 (32%)	16 (16%)

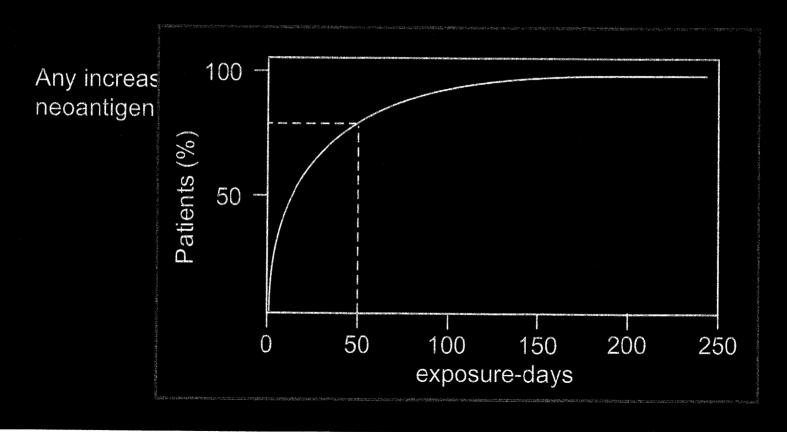
Aresecsonbliment politicals, made in animal cells, structurally altered? Natural history of inhibitors

Prevalence of Inhibitors in Recombinant Trials -

	n	prevalence
PTPs		
Kogenate	86	2 (2%)
Recombinate	69	2 (3%)
ReFacto	113	1 (1%)
Kogenate-FS	71	1 (1%)

PTPs and immunogenicity

Previously treated hemophiliacs with >250 exposure-days have shown themselves to be tolerant to exogenous factor VIII or IX and are therefore at low risk to develop inhibitors



1911 Recommendation

Recommendation of the SSC scientific subcommittee on factor VIII and factor IX -

Use PTPs with >250 ED to assess efficacy and immunogenicity of new products; use PUPs and NIPs to assess viral safety of new products

White, et al., Utilization of previously treated patients (PTPs), non-infected patients (NIPs), and previously untreated patients (PUPs) in the evaluation of new factor VIII and IX concentrates. Thrombos Haemostas 81:462, 1999

1971 Reconnendation

Recommendation of the SSC scientific subcommittee on factor VIII and factor IX -

High response inhibitor >5 BU

Low response inhibitor <5 BU

White, et al., Definitions in hemophilia. Recommendation of the scientific subcommittee on factor VIII and factor IX. Thrombos. Haemostas. 85:560, 2001

